

# List of All Chemicals

## P Dianthus barbatus (Caryophyllaceae)

### Common name(s)

Sweet William

### How used

Medicinal

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
ARABINOSE	Shoot	--	--		*
ASTRAGALIN	Shoot	--	--		*
<b>Activities (7)</b>					
ACE-Inhibitor ID50=180 ug/ml rat (24 hr.)					
Aldose-Reductase-Inhibitor IC30=1 uM					
Aldose-Reductase-Inhibitor IC62=10 uM	Shimizu, M., Ito, T., Terashima, S., Hayashi, T., Arisawa, M., Morita, N., Kurokawa, S., Ito, K., and Hashimoto, Y. 1984. Inhibition of Lens Aldose Reductase by Flavonoids. <i>Phytochemistry</i> , 23: 1885-1888.				
Antileukemic					
Expectorant					
Hypotensive	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990.				
Immunostimulant					
BARBATOSIDE-A					
Shoot					
--					
--					
*					
<b>Activities (2)</b>					
Analgesic					
Antiinflammatory					
BARBATOSIDE-B					
Shoot					
--					
--					
*					
<b>Activities (2)</b>					
Analgesic					
Antiinflammatory					
D-PINITOL					
Shoot					
--					
--					
*					
DIANTHIN-29					
Plant					
--					
--					
*					
FUCOSE					
Shoot					
--					
--					
*					
GALACTOSE					
Shoot					
--					
--					
*					
<b>Activities (1)</b>					
Sweetener 0.32 x sucrose					
Martindale's 28th					
GLUCOSE					
Shoot					
--					
--					
*					
<b>Activities (7)</b>					
Acetylcholinergic					
Antiedemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antihepatotoxic	Merck 11th Edition				
Antiketotic	Merck 11th Edition				
Antivaricose	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Hyperglycemic	Merck 11th Edition				
Memory-Enhancer	Science News, 138: 189, 1990.				
KAEMPFEROL-3-O-BETA-D-SOPHOROSIDE					
Shoot					
--					
--					
*					
L-LEUCINE					
Shoot					
--					
--					
*					
MANNOSE					
Shoot					
--					
--					
*					

**Activities (3)**

AntiUTI  
Antiadhesive  
Anticystitic 0.25-1 tsp 3-4 x/day orl man

QUILLAIC-ACID	Shoot	--	--	*
<b>Activities (2)</b>				
Diuretic				
Emetic				
RHAMNOSE	Shoot	--	--	*
XYLOSE	Shoot	--	--	*
<b>Activities (3)</b>				
Antidiabetic				
Diagnostic	Martindale's 28th			
Dye	Merck 11th Edition			